

SEQLIST.txt

gttcattctc atcagtgtga aactgaggag tctgcaattt ggaatatgga gagagagact	2820
gatttgctga atttccttct aaatgtcact caaaaatttc ttttccatgt cattcttggg	2880
aatgtcttcc acaggatttg agaatagttt catctcagcc cccattagag agaagttggg	2940
gtgaattctg gaaaaatgtc tctttttcct gtgccatttg ccttctgctg caacgaaaat	3000
atttcctgat tcaagattct ataaaaagga aaccaagcat aagactctgt catcatacct	3060
gttacacgtt cctacaggtg cacaatctaa gagagctaata taacctcaga gtctggagtt	3120
aacagctttt caccttactt ctctgtgat ctaataattat cttagaaaaa ttaatatgca	3180
atttcacaaa gatatttttg taagacaaca acctcccagt gatatgccac ctttcaattt	3240
tccttttctg gcaatgattg catctgaaga aaggatccct gagagtctct gtttcatcag	3300
gacattctga aatttaccac cagtgaggct gtggatggat caggggacct gtataaaatg	3360
tttgagcctg ttccattttc ccgtggaacc tgtttcactc aatgccaggc agtgcagcat	3420
ttaggaaagc agtgcagtac tcagtaaggc agtgcagtac tcagtaaacac aatacagtac	3480
tcaggcagtg cagtactcag taagacagtg cagtgtcag taaggcagtg caatactcag	3540
taacagtgta gtactcagta acagtgaagt actcagtaat acagtacagt attcagtaag	3600
gcagtgaagt actcagtaat acaatacagt actcagttag gcagtgcagt actcaggaat	3660
gcagcacagt actcaggcag tgcaatactc agtgcggtac tcagtaaacac agtgcagtac	3720
tcagtaacag tgcagtactc agtaacagtg cagtactcag taaggcagtg cagtactcag	3780
taacacagtg cagtactcag taatacagta cagtactcag taaggcagta tggtagtcag	3840
taaagcaatg caatgtcag taacacagtg cagtgtcaa taaggcagtg cagtgtcag	3900
taaggcagtg aattgcttag taacacagtg tagtgtcag taggacagca tagtactcag	3960
taacacaggg cagctagtag tcagtactat aagtactgag tacttatata ggcaatgtag	4020
tactcagtaa atcagtgcag tactcagtaa tgcaagggca tttcaggctc ctgctgggct	4080
gcttcttttg ccagctggg actcctattg agacagctgc aaaacaggct gatttcaatt	4140
aggcagcact tcccaaagtg cactgaggaa ggtggcccca agagaagctc tctaaacaaa	4200
ggagtaccct ctctgggtcaa gtaccttttg taaatacacc ataccataat atctgcttgg	4260
agaaccacaa tgcacattag catattagtc tgagagagaa cttatagtaa ggaaactcac	4320
ttgattttat ctaacctcaa actttccaag tttaattggat cgtgaatttt tttcatgtaa	4380
ctcctattca tatcccatag atctagtatt gtacagcact gcattctctg aggaagtccc	4440
agtcacaaact ctgatttaca tcactttaga aaccacaact acacttttgc agagtgttga	4500
gcttaataac tacctgccac agattggtaa atttaatcca gtgggtgttc tgtttgtgct	4560

SEQLIST.txt

tctgtttctca	tttatgtggt	tagggatagt	gaggttcctg	ccttcactag	gatccacgga	4620
tatgagacca	tttttgtcat	ttcctgaagt	cacactggcg	tttccagaag	gcatctggtg	4680
ctttgctcag	ccttccatgc	tgtgcagcac	ttctgtcctc	agtcaaggag	atggccatgc	4740
ttaagccagc	aattggctgg	ggtccaggaa	acaaagcaaa	agcacaatat	gtgaatgtgc	4800
tgattgtggt	ccctatggct	ttatctcgag	caaatacac	tctacatatt	ttaataataa	4860
gtataattag	cttgttctctg	gacttcattt	tcaatgatga	accaaattcc	tgaattattt	4920
ataattgtgt	ctaaagaaaa	ttatgaactg	gtcacatggc	acttggaaatc	cttgagttaa	4980
ttccagtga	gcaaaacttg	ggaagagtca	ggattggcca	cattgccaat	aacaaattcc	5040
tacttcgaca	tatgtctttt	caaaaagcct	cccagacaca	agacatctta	accgtcacta	5100
gcccagtgt	tttgtattac	tcagacacca	tcatgaaata	attctgtgag	gtcatgatgt	5160
atttgaaaat	tctgcaagtt	aataactgcc	ttgaattggt	tgaacccgaa	ataagggttc	5220
tttggtacct	ctagtagata	gtgtgttcat	ttccctgctg	caaattttga	agtatttggg	5280
caggtgagtc	atgttttaac	cacaagccat	aactcatctg	ttgtctttgc	ttggtcttag	5340
agtatcatto	agaaagtccg	ctaagggcca	gcgtgcttct	tctggctaca	caaccttctc	5400
aggacaagcc	cactgtctta	agccactttg	accctgggag	acacaggact	gtgtatctctc	5460
aatcatacta	tacagcagtt	tttgtcaggg	gaacataaaa	atatccaaga	gagggttaggg	5520
cttagattta	aaagcatcaa	aacaacaaca	atggaaatth	atgttggcga	tagccaagac	5580
cacaagcaaa	agcacatact	ggaaatgatg	agttagaatc	tgatttgact	gggatgtttt	5640
atgagaatgt	aagtgtgata	ttatactgtc	tgcttctgtg	gaatgctggc	tttcaaattg	5700
tcacccattt	ttcttttact	ggcctgagtt	aggacatgct	atcagtaata	gtcccagttc	5760
catccaactt	tctgaaatth	catttttttt	tttgagatgg	agtctctctc	tgtcacccaa	5820
gttggagtgc	agtggccccc	caatctcggc	tcaactgcaac	ctctacctcc	cagggttcaag	5880
ctattctact	gcctcagcct	cccaagtagc	tgggggttaca	ggcatttgcc	accgggcccct	5940
gatgattttt	gtatttttag	tagagacagg	gcttcaccat	gttggctagg	agggctctcaa	6000
actcctgacc	tcaggcgatc	cacccccacc	toggcttccc	aaagtgtgta	gattacaggt	6060
gtgagccacc	gcacccggcc	aactttctga	aatttcaaaa	ctgaattgat	ccttctccaa	6120
attagtatat	actattggaa	acttgtcttt	cctgtcagta	aggctgggtt	ccccacccca	6180
gaaacatgta	acggttggtg	ccatgctaag	cccttgccat	gctaagccct	ttacagtcac	6240
atcctataat	ccccatatca	accttataag	gaagggtgtt	gtagatgatg	caactgagcc	6300

SEQLIST.txt

ttaagaggac taattccctt tttctaaggc acagagctgg taaaatgtga agtaatagtg 6360
aacctaacag tcagagacag gcagcatgct cttaactagt gctcttccta aagttccctt 6420
aatgtccttt tgagattttg agccatggaa cttacttggt cacctggcta agaactcatg 6480
gccactgtgg aaatcttggt tagggagtca aagaaaactga gcctggggca aacgaggctt 6540
cccacactgc caggggagcc tcactgtgaa gtctaggctc agacaggcat caacaaacct 6600
attcacccca ccatcactct gatctaacca ttccccagtc atcccaggaa aaccactcac 6660
agcctgacac tgggctgact ttcttgaaga tcctcatcca attgggtgttt ttcagaagtg 6720
ttccaatatt atgaattctg tgttgtggag aaaagcaacc atgcatttac tgggtcaatgc 6780
cttcttgtat atgtaattca atacttttac ttttaatatc ctcaccttat ctaatctttg 6840
aattttgtca tgtaatttat tgcttcatta aggttacttt ttgttatata aaataaaagc 6900
tgatatccaa ggcaaaaaaa aaaaaaaaaa 6930

<210> 2
<211> 854
<212> PRT
<213> Homo sapiens

<400> 2

Met Pro Gly Gly Gly Pro Gln Gly Ala Pro Ala Ala Ala Gly Gly Gly
1 5 10 15
Gly Val Ser His Arg Ala Gly Ser Arg Asp Cys Leu Pro Pro Ala Ala
20 25 30
Cys Phe Arg Arg Arg Arg Leu Ala Arg Arg Pro Gly Tyr Met Arg Ser
35 40 45
Ser Thr Gly Pro Gly Ile Gly Phe Leu Ser Pro Ala Val Gly Thr Leu
50 55 60
Phe Arg Phe Pro Gly Gly Val Ser Gly Glu Glu Ser His His Ser Glu
65 70 75 80
Ser Arg Ala Arg Gln Cys Gly Leu Asp Ser Arg Gly Leu Leu Val Arg
85 90 95
Ser Pro Val Ser Lys Ser Ala Ala Ala Pro Thr Val Thr Ser Val Arg
100 105 110
Gly Thr Ser Ala His Phe Gly Ile Gln Leu Arg Gly Gly Thr Arg Leu
115 120 125
Pro Asp Arg Leu Ser Trp Pro Cys Gly Pro Gly Ser Ala Gly Trp Gln
130 135 140
Gln Glu Phe Ala Ala Met Asp Ser Ser Glu Thr Leu Asp Ala Ser Trp
145 150 155 160

SEQLIST.txt

Glu Ala Ala Cys Ser Asp Gly Ala Arg Arg Val Arg Ala Ala Gly Ser
165 170 175

Leu Pro Ser Ala Glu Leu Ser Ser Asn Ser Cys Ser Pro Gly Cys Gly
180 185 190

Pro Glu Val Pro Pro Thr Pro Pro Gly Ser His Ser Ala Phe Thr Ser
195 200 205

Ser Phe Ser Phe Ile Arg Leu Ser Leu Gly Ser Ala Gly Glu Arg Gly
210 215 220

Glu Ala Glu Gly Cys Pro Pro Ser Arg Glu Ala Glu Ser His Cys Gln
225 230 235 240

Ser Pro Gln Glu Met Gly Ala Lys Ala Ala Ser Leu Asp Gly Pro His
245 250 255

Glu Asp Pro Arg Cys Leu Ser Gln Pro Phe Ser Leu Leu Ala Thr Arg
260 265 270

Val Ser Ala Asp Leu Ala Gln Ala Ala Arg Asn Ser Ser Arg Pro Glu
275 280 285

Arg Asp Met His Ser Leu Pro Asp Met Asp Pro Gly Ser Ser Ser Ser
290 295 300

Leu Asp Pro Ser Leu Ala Gly Cys Gly Gly Asp Gly Ser Ser Gly Ser
305 310 315 320

Gly Asp Ala His Ser Trp Asp Thr Leu Leu Arg Lys Trp Glu Pro Val
325 330 335

Leu Arg Asp Cys Leu Leu Arg Asn Arg Arg Gln Met Glu Val Ile Ser
340 345 350

Leu Arg Leu Lys Leu Gln Lys Leu Gln Glu Asp Ala Val Glu Asn Asp
355 360 365

Asp Tyr Asp Lys Ala Glu Thr Leu Gln Gln Arg Leu Glu Asp Leu Glu
370 375 380

Gln Glu Lys Ile Ser Leu His Phe Gln Leu Pro Ser Arg Gln Pro Ala
385 390 395 400

Leu Ser Ser Phe Leu Gly His Leu Ala Ala Gln Val Gln Ala Ala Leu
405 410 415

Arg Arg Gly Ala Thr Gln Gln Ala Ser Gly Asp Asp Thr His Thr Pro
420 425 430

Leu Arg Met Glu Pro Arg Leu Leu Glu Pro Thr Ala Gln Asp Ser Leu
435 440 445

His Val Ser Ile Thr Arg Arg Asp Trp Leu Leu Gln Glu Lys Gln Gln
450 455 460

Leu Gln Lys Glu Ile Glu Ala Leu Gln Ala Arg Met Phe Val Leu Glu

SEQLIST.txt

465		470		475		480
Ala Lys Asp Gln	Gln Leu Arg Arg Glu	Ile Glu Glu Gln	Glu Gln Gln			
	485		490		495	
Leu Gln Trp Gln	Gly Cys Asp Leu Thr	Pro Leu Val Gly	Gln Leu Ser			
	500	505	510			
Leu Gly Gln Leu	Gln Glu Val Ser Lys	Ala Leu Gln Asp	Thr Leu Ala			
	515	520	525			
Ser Ala Gly Gln	Ile Pro Phe His	Ala Glu Pro	Pro Glu Thr	Ile Arg		
	530	535	540			
Ser Leu Gln Glu	Arg Ile Lys Ser	Leu Asn Leu Ser	Leu Lys Glu	Ile		
	545	550	555	560		
Thr Thr Lys Val	Cys Met Ser Glu	Lys Phe Cys Ser	Thr Leu Arg	Lys		
	565	570	575			
Lys Val Asn Asp	Ile Glu Thr Gln	Leu Pro Ala Leu	Leu Glu Ala	Lys		
	580	585	590			
Met His Ala Ile	Ser Gly Asn His	Phe Trp Thr	Ala Lys Asp	Leu Thr		
	595	600	605			
Glu Glu Ile Arg	Ser Leu Thr Ser	Glu Arg Glu Gly	Leu Glu Gly	Leu		
	610	615	620			
Leu Ser Lys Leu	Leu Val Leu Ser	Ser Arg Asn Val	Lys Lys Leu	Gly		
	625	630	635	640		
Ser Val Lys Glu	Asp Tyr Asn Arg	Leu Arg Arg Glu	Val Glu His	Gln		
	645	650	655			
Glu Thr Ala Tyr	Glu Thr Ser Val	Lys Glu Asn Thr	Met Lys Tyr	Met		
	660	665	670			
Glu Thr Leu Lys	Asn Lys Leu Cys	Ser Cys Lys Cys	Pro Leu Leu	Gly		
	675	680	685			
Lys Val Trp Glu	Ala Asp Leu Glu	Ala Cys Arg Leu	Leu Ile Gln	Cys		
	690	695	700			
Leu Gln Leu Gln	Glu Ala Arg Gly	Ser Leu Ser Val	Glu Asp Glu	Arg		
	705	710	715	720		
Gln Met Asp Asp	Leu Glu Gly Ala	Ala Pro Pro Ile	Pro Pro Arg	Leu		
	725	730	735			
His Ser Glu Asp	Lys Arg Lys Thr	Pro Leu Lys Val	Leu Glu Glu	Trp		
	740	745	750			
Lys Thr His Leu	Ile Pro Ser Leu	His Cys Ala Gly	Gly Glu Gln	Lys		
	755	760	765			
Glu Glu Ser Tyr	Ile Leu Ser Ala	Glu Leu Gly Glu	Lys Cys Glu	Asp		
	770	775	780			

SEQLIST.txt

Ile Gly Lys Lys Leu Leu Tyr Leu Glu Asp Gln Leu His Thr Ala Ile
785 790 795 800

His Ser His Asp Glu Asp Leu Ile Gln Ser Leu Arg Arg Glu Leu Gln
805 810 815

Met Val Lys Glu Thr Leu Gln Ala Met Ile Leu Gln Leu Gln Pro Ala
820 825 830

Lys Glu Ala Gly Glu Arg Glu Ala Ala Ala Ser Cys Met Thr Ala Gly
835 840 845

Val His Glu Ala Gln Ala
850

<210> 3
<211> 15002
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (12055)..(12055)
<223> n is a or g or c or t/u, unknown, or other

<400> 3
ttgtggaaag gatggatggg tgggtggatg gatggatgga tggatggctg gatggatgga 60
tagaaatgca acttcaagat ctggttctac agtattacat atgaagcaac tgagactcag 120
ataaaattca gtgagttgct gaagactatt cactcattga gcctcacatt ctgatgctat 180
atatatcagg tgctatgcag atgattaggg aagggcagga ctgagattaa actgacaccc 240
cctacatcct aatccaggct ttttccactg tatggcgatg cctcccaaaa gaattatcac 300
agcgacttaa taaaggaggg agaaagttag ttgcaaattt caagcttaga aattcacagg 360
caaaaatggc tgaagggaaa taatcacact aatagtgatg caaggatgta actggaaagg 420
aaaaaatgga gagaaattaa aaacacaaac agatttagtc agggctcctga taaagtgata 480
atgtaatcaa taaggcaaat caaagataaa tgattagaga tttaaaactt cagcctatca 540
gaaaaacctg agggaaaaga ttttgaattt tttttatttc ttccaaaaga tcctatttga 600
catatTTTTT taaatctaaa tgaccaaaga tttcgaattt ggaaaggcag acacatatct 660
atttcccata taaacatcta catttcttgc cacatagcac cgcaacactc atctggttcc 720
aaagcagacg gcttggccct ctgttatcaa gagcactatc accgttctgg cccggagagc 780
taagtTTTTT tatacatagg tcgtagccaa agctcagagg aaagaagtga catttggtga 840
gtgtacagga tatgttctcc agccactttt taggtgctaa gttacatctt gaaataatgt 900
cagaaattgg aagatgccgt atttaaactt cactagccca agccctaatt cacctcgaca 960

SEQLIST.txt

gtttaatatc ttaatgtttc ttaaaatttg aggactctta gaatgacccc tttaaaaatc	1020
tgctgaaaaa ctggatcttt ttgtgggaaa aactgtccat acctacatat ctaaaatgtg	1080
tatgtggttt cagtctctcc tgtgcacagt cctcctgct ttgaagggat cccaacatg	1140
tttttttctt agaggtagtt ggtcacaacc atcggataac atgcttatca cctgggtgat	1200
aaaatattct ggacaccaaa ccccgatgac atgcaattta cctatataaa gaacctgcac	1260
atgtatttct gaacctaaaa taaaaagttg taaaaaataa taatacaagt aaaagagctt	1320
tctgcatgtg ttataaatct gttcaggagg actttccact atgctttcaa gagaagtgtc	1380
ttgaagaatt tagcatcact ctgaattccc aaaaagctct gtgcttttca aggtgctttt	1440
gaggaagaag gatgatgctt caactgtctt ctttgctgtg acttctagga agttcattat	1500
cacatcatat tctcaaccaa ataattaaca cttgacattg gcattttctt ctgtctttgt	1560
ttttaaattt tattgttgtt tgctaatttt attgttttta tctttgttgt atgtattgtc	1620
cgggtctctc atttctctcc tctccctgcc aataaaagag acccatagat tttattcttt	1680
tgttctactt tttcatcaat gtttcttcta catatatctg acatatatgg aaaaaagaat	1740
tactgcctat atatgcagaa cttgtaactc acaggatttc taaactaaaa gacttttctt	1800
aataggtgtg aagtgaatt ctgcaagtag ctgcatctgg gaacttcaga gttaaaccga	1860
tatctcagta taatctgtca ctgctatagt ttcttttctt tgacctccaa accttatgtt	1920
gaaatttgac cccaatgtt gaaggtagag cctaattgga ggtgtctggg tctgggggca	1980
gatccctcaa gaatagcttg gtcacatg agtgagttct cactctaata gtttctggga	2040
gagctgggtt ttaaaaagag tgtgtcatgt cccttctctc tctttttgct tctctctca	2100
ccagtgatct gcttaggcca gctccccttc atcttctgcc atgagtggaa gcagcctgag	2160
gccctacca gaagcagatg ttggcactat gcttcttaga cagcctgcaa aactgtgagc	2220
caaagaattc ctttttcttt ataaatgacc cagcctcagg tattcctcta tagcaacgca	2280
gatggactaa gacactcatg cttcctttca ttagctattt caagctcaaa aattgtgaga	2340
ctgtgccaag aattagggca ggatcttgtc attgagaact tacaactttt ctatctaaag	2400
caaaaggtcc taatcccaaa ccataattgg aaaggtgcct ctactccaac ctcatgccc	2460
ttcaactgcc ctttctctgc ctccattcc cctcttactc accgaaagac aaatgagttt	2520
aggctgggca cagttagcca tcgttctcag aaaaacaaaa tcttgctgct tgggtattctc	2580
acttagaatc ctttacttta gcttatggat caccctacac agattcctga cagctcactg	2640
ggccatggaa ccagccagat ttttgagcta catctgcagt atcttttcta ctcaggcagc	2700
tggcataagg tgggaaaatt cattaacatg ctaatgatgt cctatttaaa attctagtcc	2760

SEQLIST.txt

tgattattct	gtgattaaat	ctctcccctt	gacgtcgggt	tcctttatag	ctgagttaca	2820
gtgcgaaatc	aacaatatta	ataaagtaca	atacagatta	ccaatttata	cacaagggat	2880
ggtgaaaaac	tgctgcgtaa	atctgagggc	tgtcctttta	acttgaaaag	cagttgtagg	2940
ccgggcgcg	tggtcacgc	ttgtaattcc	agcactttgg	gaggcctaag	caggtggatc	3000
acctgaggtc	aggagtttga	gaccagcctg	gccaacatgg	tgaaaccccc	tcactactaa	3060
aaaaatataa	aaattagctg	gcctataatc	ccagctacct	gggaggctga	ggcaggagaa	3120
tcgcttgaac	ctgggagacg	gaggttgcag	tgagcagagt	tcgcgccatt	acacttcagg	3180
ctggttgcaa	gaagcaaaac	ttttgtctca	aaaagagaat	gtaaaagcag	atgtagcaaa	3240
cttgtaaaaag	ttgctgattt	ttttcattcc	gcccttcttt	aaataaacac	acacattgga	3300
atccacaata	attaaatggt	tatagttaat	ttccataaat	attcaaggct	tggaagatag	3360
atttagcttt	tcattctatt	tcactgcact	taacattgct	ccgaattcaa	atgtgttata	3420
ctgaagtctc	aagaacagct	gacaggagtt	aaagcacact	tgtttatcat	ctctttatag	3480
agatttgtgc	ttggcaacaa	aagccaatgg	attcggtgat	gaggctctgc	tccctttgcc	3540
cttgagtacc	ttggcatatt	tcagttcctt	ttctatcacc	gtattgttct	attaactgac	3600
ctccaaactg	aatatccaac	tcagacaact	caagcacctt	ccaagaaaga	caaacttata	3660
actaccctca	ttaatttgga	aatgaataa	agaagcagaa	gattcaagg	ccagatctgc	3720
aatctaaaat	gcaggaagag	aggactcatt	catgtgtcat	tttaacatct	ggccccagta	3780
aatgaacaaa	tattgatgg	atagtatatt	tactatttta	aaagacatca	tgctggacac	3840
caaagcagta	cagtgaacc	taagaacaat	gttctgacct	cggtggactc	acaatctagc	3900
cagagacaca	agatacaatg	atattttaag	tgatgcatgc	agcaaattca	tctcagggtc	3960
atcattagag	atacacttca	catcattaaa	aggtctctgt	acgagagaca	ctgctaattg	4020
ttccctaaga	ctgcaaatct	ccccttttgc	tatggaaaca	gaattcatca	ctttagtggg	4080
gcacattgct	gcccagggtg	aggacagctc	ccagcccctc	ttgcaagtag	ctgttaccat	4140
ataacaaggt	taaggtcaca	gggatgtggc	cgtagcagag	atgtgtgcag	atttctaaaa	4200
gcgtacttaa	aggggataga	tgagctctct	tccttctttg	ttttttttct	gactggactt	4260
ggacatgcat	gtggctgggt	cagccagggt	ggactgaatg	gcacatgttg	tggggcagag	4320
aagaacaaga	tagaagagtc	tgggttcctg	acaagcaggg	tggcttgatc	atccatgagt	4380
tgcccttttc	ccctgaacgc	tgcatccac	aactattgtt	ggaaatcaaa	atcttttttt	4440
aagaatacta	catattgctc	atttcttaaa	tggtttcatt	ctctaaggct	aaaaagagtc	4500

SEQLIST.txt

atggtacatg catgcatatg tgtatgtgca taagtacact ctcccttgta ctttctctac	4560
atttaaactt gaacacagag ctccctctga atttttaacc ctcaaaacac aaaaaaagct	4620
gaatatggac ttgccccag ttttatcaca ttttaataaa taaaagcttc aatgtattca	4680
ggaattcatt atttatttgt ttcccacact ctcaacccta gattattaat ttggttcacc	4740
taaagccaac tcacctcaaa ttggttaaaa aaaattaagc acgtgtaaat caatgtatag	4800
ggaaaggggtg gctgatccag caaaatccaa gtgtaaaaac ataaagagag gcttcacaac	4860
agtaatgagc catctgcaat ttagaatcat ccatggtaac aatctctcat tccatttggt	4920
tatgtttttat tcatcattgt gaaaatactt agtgaagtga caatgatgag attcaaaaat	4980
actgcatggg tcttttttta aaaaggatat taatggcttt cagggactca actattcaaa	5040
tgaaaatatt gctggactaa atttgcacaa atttgttcac ttctcttca ttcttgata	5100
taatatatcc ttcatTTTTat gacaaaaaac tatgtggtga aaacatgaga aattccgtag	5160
tttccatcgt ttatacattt aaaaaatcaa tagcagaaac ctatttcaaa tgtacaatcc	5220
tcattcctat catgacagag taaaccaggc tgcggtgtct tgggtgagcg tgttgtcatt	5280
ccctagtact acagttattt agcctcaaac gtactgtctc tagttacata tatggcaaaa	5340
acaaggcttg acctttaaga atgaaaagaa aaaaagataa gtactgagct gttaagccaa	5400
cttaagggtg ttcatTaca agaagacaga ataactactg aacatactct ttgattctaa	5460
tatctctatg aagaaacctc tctctacaca aattgataga ctttttaaaa gaaaatttat	5520
tcatcccaaa ttgatgcact taacttcagc tagctgattt tatatttctc aatctagctt	5580
ataaatacta ctcttcattt acttcaattt acggagtatt taaaaagcc ctatttcaaa	5640
tctggttctc atcagccccg ttttttctta tttcttctta aataagcata ctttgtaaaa	5700
tatagccatt tattcatata tatatttctt tcatttggtt tagtaaatga catttatTTa	5760
ggaaccattt tttaagaaat aagtTTTTac catctcaatt tgcaactgaac cagcgtcttc	5820
tgagaccatc cctctgggtg caaatctcag agtaagctca gttactcta acgactggaa	5880
aaggaaagaa cacaggaaca cttgaaactc tctgacaagc agacactttg gctaaggcgg	5940
cattcacatc ttctacatca tcttctctgg ggaaagaagc tctcagaaaa gtccacacat	6000
agaagagcca ctttatggtc ttccctcaat tttctcagat cagcctgatt tagtctatga	6060
ttgtgcasac aaggagacgg agccaaggga caaaaggaag ataattgtca cacaagaaa	6120
atgctcaaga ctttgccaag ggagagactg ctctaaataa taacaaggct attagcaaac	6180
acagggtgag acagggaaca gaaaaagaaa agatgtcwca tgtgaatatg aaaacaaaag	6240
ctgacaagtw attccattca gtttgccaag gcacctgcc aaaaatgtccc caagggaaaa	6300

SEQLIST.txt

gggccatgtg	ctccatgacg	ctcttcacag	tgaacgttca	catwaaggca	cagaacattc	6360
tgcctggcca	caaaacacaa	caaatatcat	caatatcttg	ccggggtaac	agttgtgcac	6420
tacctaccat	aggcagtctc	ctggtgctcc	acttctcttc	tcagtctggt	gtaatcttct	6480
ttaacacttc	ccagcttttt	gacattcctg	gaactcaaca	ccaacagctt	gctgaggagt	6540
ccctccagcc	cttctctctc	tgatgttaat	gatctaactc	cctcggtgag	gtcttttagcc	6600
gtccagaaat	ggtttcctac	agcacgttgt	gggagagaag	aagggaatac	aagctttaca	6660
gcatccacac	acatggaaga	tctagcagca	gctaattgtac	attcacagca	tgggcaaaga	6720
aactgcactt	tgagattatg	twcaatttcc	ttagcagtcc	tctggggaaa	gaacctggaa	6780
aaatattgct	ccccttaaac	tggaaaaatc	accgtctttt	ttatcacctt	attcttggtt	6840
tgtccatttt	aggagttcca	ttggtgaagc	catctcccg	aaagtatgat	gacccaaaaa	6900
tgtcccagtg	gaatccagag	aaaccacaat	gtgtcactcc	attccaataa	tatacaaatg	6960
tcaaagagat	gacatattat	agcagtgtgg	aaggggactg	ggccatataa	tcagagttga	7020
cctaaattaa	attcctcccc	tgttactcaa	attgtgtgac	ctggagcaag	aaaatttagc	7080
catctggggc	aaattttctt	taaaatataa	ttgcaataac	acctgactca	taggtagtta	7140
caagaataaa	caagaaattc	tgtaaagcac	tgagaaaaat	atatgataaa	ttaaatgtag	7200
caagattgca	ggatacaagg	tcaatgtaca	aacatcaatc	ttatgtctaa	ataacaaaaa	7260
actagaagat	gattttttta	aaaatacaat	ttacaaaata	ttttaaatct	cataatactg	7320
agggatactt	tcttttaata	tgtgccagag	ctctacagtg	aaaactatct	ttccaaaact	7380
gctgaaacaa	attaaagaca	aataatttaa	aagatacact	gtatacatat	actggaagtt	7440
caatattggt	aagatttcaa	ttttccccac	attgattcat	tgatttaata	taattccaat	7500
caaaatgtta	tgaggttctt	ttgtagaaat	ttatgtgctt	attctaaaac	gtctaaaagt	7560
gagctgggca	tgggtggctc	acacctgtaa	tcccagcatt	ttgggaggcc	gaggtggtgg	7620
gtcccttgag	gtcagggtgt	caagaccagc	ctggccaaca	tggcgaaacc	ctatctttac	7680
taaaaatata	aaaattaatc	tggcacagtg	gtaagcacct	gtaatcccag	ctactcaaga	7740
ggctgaggca	ggagaatcac	ttaaaccagc	gaggtgtagg	ttgcagcgag	ctgagatcct	7800
gccactgcac	tccagcttga	gcaacagagt	gagacttcat	atctaaacaa	ataaaatcta	7860
gaagaatgag	cccatgagtt	tgaggctgta	gtgcactatg	attgcacttt	tgaacaggca	7920
ctacactctt	gtctgggcaa	catagcaagt	ccccacctca	aagaaggaga	gggagaaaga	7980
agaagaagga	ggaggaggag	gtgaaagagg	gagggaggga	aggaaggaga	agacgaagaa	8040

SEQLIST.txt

gaatgaagaa gaataggaag aaagaagaag aaggaagagg aggaggagga tgacccaaam	8100
caatccttaa aaagtgagtc ttggtttcaa gactaatgct aaagccacta taaatcaagg	8160
taatatggca ttgaatatac atagacaaac agatcgatgg aatagaataa acagtccagg	8220
agtggattaa cacatataca gccaaccaaa gtgccaaagc aagtcaatga ggaaaagaaa	8280
gtattttcaa taaatggtgc tggaacaact agctatctac atggaaaaaa tattaacctt	8340
gattcatacc tcaaacaca caaaaattta attaaagggtg gatcacaggc ctacatgtaa	8400
aagttaaaac tataaagctt ctacaaaaaa aaaatgaata tttgattgac tttggagtag	8460
gcaagaactt cagataagat acagaaaaa ctatttttaa aaggataaat gggctttatc	8520
aaaattaaaa acttctcatc aaaagacaca actaaaaaat gagacgaca gtcacagact	8580
tggagaaaaat cattgcatta tgtttaactg acaaggaatt gaatactaca acttgacaat	8640
taaaacacaa atgggtgcat tgaaaaatgg tcaaagact taacaggcat tttacaaagt	8700
agacgcacaa atggctaata agcatatgaa aaaacatttg acatcattaa tcattaagaa	8760
aagaaaaatt aaaaccataa atattccact acaagcccac tcaaagtgtt caaattaact	8820
caactaaaaa tgtcaacatt cacaagggtg tggagcaact ggaactctca cgcagtgtaa	8880
atggtcctt caagaaaagt tctgccagtt tctcataaag ttcaatgtat acctaccctt	8940
taatccaaca attctacttc caggcattta cacaaaagaa atgaaaacat gtcataaaaa	9000
atatttgac tcaaataaat ggtcacagtg tottatgcct gagagccagc cccatactgg	9060
aagcaacct aatatccatc agcaggaaga tgcaaaaata atactatagc tatgcaatga	9120
aagactactc agcaataaaa agaaacaaac togtcataca tgcagcaaca tgtatgtgtc	9180
tttttctttc tttctttttt tttttttttg agacagagtt ttgttcttgt tgcccaggct	9240
ggagtgcagt ggtacgatct cagctcactg caacctccac cttccagttt gaaactattc	9300
tcctgcctca gctcccaag tagctaggat tacaagtgcc caccaccag cccagttaat	9360
ttttgtattt tttagtagag ccgggggttt accatgttgg ccagactgtt ctcaaactcc	9420
tgacctygtg atccaccac ctcagccttc caaagtgtg ggattacagg cgtgagccac	9480
cgcgcccagc caacatgtac atgtctttag aaaagatgca aaagagtagt gccacatgat	9540
tccattaagt tctagaacag ccaaaaattaa tccatggtag aagatatcag aacagaggag	9600
ggacgatgat gactgggaca agataggggtg ttgtttcttg agtgatgaga ctgttctatc	9660
tcttggtagg gctgttcgta acacagggtg caaaattcaa gaactgtaaa cacttaagac	9720
ctgtgcattc cactgaatat aaaccatacc tcaattaaaa agaggaaaaa ttaagaaatt	9780
tttaagcatg aacattgaac aataaataaa tatataacat taatgagtgt cccataaatt	9840

SEQLIST.txt

agttagtgtt	aattagaaaa	cccactgtg	ttttctcaga	atttatagta	accataatca	9900
caataatagc	tacaaacttt	ctcaccttta	aatgtcatca	caacttttagg	aaacagggtta	9960
tatcttatat	tattattatt	attattatta	ttattattat	tattatttta	cattttaaca	10020
tctctgaaac	agggatgtgt	cctacaatca	ccatcagcca	ggaagtggtc	aggatgcagt	10080
ggttataact	ggattatttt	ccctggcctg	gctgaccatc	tgcaaccccc	tggtgtttca	10140
atgtacaaac	tatttttagga	ccatctgcgt	actggctgtt	gcctgaaaat	cttgtgttga	10200
tgtggatttg	taagactggg	aaagcaccag	cattcaaaac	ttgaagaaag	gtgttagcag	10260
tttggcagac	aatcctacag	aaaactcttt	attcttgggg	gagaaaaagt	tgcttcccat	10320
caacttcaat	ggttcacagg	atgatgacgt	gtggggaaac	acaaacctcg	acaacattga	10380
gtccaaatgt	gtttcggaag	actcagaatg	aagaagaaga	tgccaaggaa	aaccttaacc	10440
aattttat	ctttttta	gagtgatatg	tgatttttca	aaagcctaaa	tacatctaaa	10500
agagctatat	cagttaagta	taagataaaa	attctaaacc	atagaaagca	ctgttactgc	10560
ttaattgaca	gcaatttttc	tttctttgca	atgtataaaa	taatgggtgc	tttttatgtt	10620
cactgaaatt	catattgttg	tctcctttta	cagctgggaa	agcggaaatc	tgagagaacta	10680
aaatatcttg	ctgaagatca	caatgcagta	aagcataggg	caagtttcca	actcgaacat	10740
caccccagaa	cacttccttt	taaacataaa	ttatgttget	aactttttta	ttgttactta	10800
gcaggcagat	ttcaaactga	tacaaatgtt	gaaaatgata	caaaatgttt	tcccacctta	10860
aaggcattct	gaaacctagc	acataacatc	tgtcactgaa	gtccatagtt	tccaatgcca	10920
tgattggata	aagaccctat	tgagactcat	gtgtttgtct	ctcactgctt	aaaacactca	10980
tgtgttttaa	gcaacatgac	aagcacaaaa	gagaacaagt	actgctcctg	ctctccagga	11040
agttaccata	aaataaaggg	gataaggtgc	cttccaaaga	aaaaccaa	actaggagag	11100
gtcagaggag	aagagagatt	attccagaag	gagagactga	ggcagatttc	aggaggggaag	11160
aatataagag	tcccaaaaga	agaaacagga	acccagggtta	gagagcaatg	ggcaaggggt	11220
aggaggtgag	actaaactca	caaggaagtt	gcttcaaaac	aatagtgcc	caa	11280
gctgatgggt	tggaaccatt	taggaaaaac	ccacaaagtc	cacaggagag	cagactgcac	11340
ttccatgagc	ttcaagctgt	aaacagtaac	ctcaataaaa	acttttcccg	gatcggtaat	11400
ttccatcctg	aacaatggcc	aagtcaagga	agctgaggat	cgagccccct	accgcatgcc	11460
acaaagaacc	tcaagggacc	ccatgctctg	gggagctcgc	aggaggacca	gcacagagggt	11520
gtgactgcgt	tggggcaggg	tggccacatg	tacaatgttg	taccttccaa	tgttcctcct	11580

SEQLIST.txt

taggctgtgc	ttatgaagtc	ccaacatgtc	ttctgggctg	tgttttcaac	caagagagtt	11640
aataaaaaagt	gggatgggca	ccaactatgc	ctccagagac	atcaggcaga	atatgccaca	11700
gcgtgccatg	tcctcctgca	aacagtcaga	aagaaaagat	ctctaaaagc	aaattggaag	11760
agactatata	tacagagcga	gtgccggtac	agaagttttg	ctgcaaatac	accctctaata	11820
cccttgcaac	ccactgcaag	ctcgagagac	cagtgccctt	ggtaaaacac	aggagagatc	11880
attaattaaa	gcctaggccc	tttctttgat	cctgagggat	aaggcttggg	aaaatgcaca	11940
gtgataaaaag	tgaacatttt	aaaagagcag	agtgagtgtg	aattcccaaa	gagaccattc	12000
atatcaagac	ccaagccatg	agaaaatgct	acaatgccct	tgattaatac	tttangaggc	12060
attttgacct	cagatctaata	cccatgaggc	ttagaccaag	accttgcttg	atgcagacct	12120
ctctgactgc	tgaaattggg	caggagctca	gtgatgaaaa	tttggaaagt	caatgctgat	12180
acctgaagaa	agtcacatca	gagatctgtg	acctgaatct	tcataacttt	cacaggccct	12240
ttctaaatgc	caaggaggat	gtgtgtggag	aagaatatgc	cacctatggc	atoccaatat	12300
gcctgtgccc	gcctgctctt	caacaaggga	atgaaacctg	ggtattctca	taggtttttt	12360
aaagcacttg	tccacatatt	ttattccgca	aataacacaa	tttaaaattc	agctagaatt	12420
tgccattttc	tgtcagggtt	gtgcatttct	tccagtcacc	atgacttcc	gagatagcca	12480
aaacacaaaa	tttaaattgt	gtttaaatta	aataaacaca	atttatgctg	aagctgactt	12540
taccactct	gttccaacat	tacttatcct	cagcatctct	gaattcaaata	atcagccagg	12600
tgtggtggct	catacctgta	agcccagcac	tttggcaagc	caagatggga	aggttgcttg	12660
aggagttaga	gaccagcctg	ggcaacatag	caagaccccc	atctctacaa	aaaaattaaa	12720
aaattagcca	ggcatgggtg	tatgcacctt	tagtcctagc	tacttgggag	gctgagggtga	12780
gaagatcact	tgagccgagg	agcttgaggt	ggcagtgagt	catgatcata	ccactgcact	12840
gtagcctgag	caacagagca	agaccccatc	ccttaaaaaa	aatacctgcc	ctctgtactt	12900
catagcacct	ggggcatttt	gaacagttct	tccttcacct	gaggtcatta	tttgagaatc	12960
caattttaga	gactacaatg	ctctcattac	ttggattgta	tcattttaatc	ttoccaacaa	13020
tccaggaagg	ggagtctctt	aatgattgtc	cttgatttcc	agttaaaaaa	tctagaccca	13080
gaggtaacct	tgtgaaggtc	acagagtttc	agagttctaa	gatccocatgc	ggagattggt	13140
gaacttgaac	ttgtttcttc	tgatctcatg	tcaataagtg	acttagtcaa	cacctgggta	13200
gaaatcatca	ctaaagttag	aaagcacatg	gtgaggggga	tgaatcctgt	gccacatgg	13260
tccctttcac	ctgccaatc	ctcaggcctc	tcacctgggg	taccctcac	acacatggca	13320
ctttcctgaa	ctcatggaca	tttcagtttg	taacgatcct	octaagatta	tctactttca	13380

SEQLIST.txt

cctatccaca	tttgaactat	acttcttttag	tggaaaaaaa	gaaataaagc	cagtgtgtgag	13440
aatgatcaaa	ctccagaaat	agtagactgc	tgtataat	gtcttgctg	acaccagatc	13500
tttcaaggaa	ctgcaagctc	aagtgcacag	ttaagcaaga	tcaagatcta	cctttgtctt	13560
tcagagcctt	cccttggcga	ggtcaaggat	atctgtctgt	agcctgggct	ggctgaacca	13620
aagggcaatg	gaggcgccca	agaagcccca	gccaaactgt	cccctcccca	accccttctt	13680
ccctggaggt	cccttcagct	agaatttgcc	atcttctgtc	agggttgtgc	atttcttcca	13740
gtcaccatga	cttcctgaga	tagccaaaag	catttgctgt	gagcagagcc	ccatggctgg	13800
ctttgcacat	caaacatttc	agacagccat	atatttcata	gaatacaagg	ggaagataac	13860
actggacca	cagaactttc	caacagcttg	agaaaatgtg	gtgcctgggtg	actgactaaa	13920
tatacaatcg	gacaacagcc	aggccatagc	aaaagatgga	actctgatcc	acaaggtgca	13980
gcaactttcc	cagaaaacaa	tacccttacc	cacaaaaagc	aaccccgga	gctggcctgc	14040
tctaaatcag	acctgtctga	agccaaattg	ctctctagta	actatccagg	aagctaaata	14100
ataacttctg	taacaattga	ctcaaaatgt	tcaggactgg	attaataact	gatggcttcc	14160
ctaatttttg	tccccgattc	caacttagga	cccaccagag	aaagccaaat	atgggtccct	14220
gaccaagcac	acaggatggt	cgcttctagt	gagccgcctc	cagcttcccc	gcattgataa	14280
cctccaatca	gggcacacct	gaagccttcg	cotTTTTcca	ctataaagct	ctccactcg	14340
tctgcccacc	tttgagtctc	tgccaaattg	caaatgatgg	tgtctgactc	ccttgtctgta	14400
gcaagctctg	cataatagct	tgtgcttatt	ctctttgggt	aggcttccat	ttcttttcac	14460
accagatagg	catcatcttt	gaaaacatct	ttactgggtc	tcttgtctcc	ctcctgcagc	14520
cactgatcta	aatcacagac	tttttttagaa	agagggaaaa	tagtaaagaa	agaaagcgat	14580
tgagttgatg	ctcccagcca	ctgtctgtac	cctgaat	gtttttctgc	catatgtcag	14640
gtggcctctc	ctggaccatc	gtcaactgtt	ctcctgtctc	cctgcagctg	cagacacagg	14700
agcactgtgt	aggctctggc	ttgagcacc	acccaccag	tacagagcca	gcccctgctg	14760
ttctgaatca	gtgcagtgac	cacttagaac	acagtgccca	tgctctgtg	atctgaactg	14820
ctctttccag	ttccatacaa	tgtaagaac	ccacttaaga	atgtttta	cattcagtag	14880
ttttctgtgg	tatataataa	aaaagtgatt	taaatacaat	ctattttatt	ttagattata	14940
tcattagggg	ttattttaca	aagttacctt	taaatactat	tgtaaataaa	attaataaca	15000
aa						15002

<210> 4

SEQLIST.txt

<211> 373
<212> DNA
<213> Homo sapiens

<400> 4
tttttccagt tttagcaacc ctcccaaaaa tctgcttgcc tcagaaaggg aagtttggtta 60
gttctggtgc atatggccaa ttctcattta aacgagtcac tctctcaga gcagtttgcc 120
catgagcagg gttaatttat aaaatcttgt ctcctcattc tctacagaaa gaaatcgaag 180
ctctccaagc aaggatgttt gtgctggaag ccaaagatca acagctgaga agggaaatag 240
aggagcaaga gcagcaactc cagtggcagg gctgcgacct gacccactg gtgggccagc 300
tgtccctggg tcagctgcag gaggtcagca aggccttgca ggacacctg gcctcagccg 360
gtcagattcc ctt 373

<210> 5
<211> 10
<212> DNA
<213> Homo sapiens

<400> 5
ggaaggagca 10

<210> 6
<211> 20
<212> DNA
<213> Homo sapiens

<400> 6
caccgcgcag gtaggggagc 20

<210> 7
<211> 20
<212> DNA
<213> Homo sapiens

<400> 7
ttcttcccag gcagccggga 20

<210> 8
<211> 20
<212> DNA
<213> Homo sapiens

<400> 8
atggaggtca gtgtctcttc 20

<210> 9
<211> 20
<212> DNA

SEQLIST.txt

<213> Homo sapiens

<400> 9

accaacatag gtaatatcct

20

<210> 10

<211> 20

<212> DNA

<213> Homo sapiens

<400> 10

tatgataaag gtgagtttta

20

<210> 11

<211> 20

<212> DNA

<213> Homo sapiens

<400> 11

gggtttccag ctgagacgtt

20

<210> 12

<211> 20

<212> DNA

<213> Homo sapiens

<400> 12

ccactcagca gagagtactt

20

<210> 13

<211> 20

<212> DNA

<213> Homo sapiens

<400> 13

ttgttttaag ggccagcgga

20

<210> 14

<211> 20

<212> DNA

<213> Homo sapiens

<400> 14

gcagctacag gtgagcaggt

20

<210> 15

<211> 20

<212> DNA

<213> Homo sapiens

<400> 15

ttctctacag aaagaaatcg

20

SEQLIST.txt

<210> 16
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 16
 ccataaggag gtactgctga 20

 <210> 17
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 17
 attcttccag cctccaggaa 20

 <210> 18
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 18
 cactactaag gtaagtacct 20

 <210> 19
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 19
 ctccccctag gtgtgtatga 20

 <210> 20
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 20
 gccatatcag gtaactggca 20

 <210> 21
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 21
 cgtgctgtag gaaaccatTT 20

 <210> 22
 <211> 20
 <212> DNA
 <213> Homo sapiens

SEQLIST.txt

<400> 22
actgcctatg gtaggtagtg 20

<210> 23
<211> 20
<212> DNA
<213> Homo sapiens

<400> 23
tttccccag aaacaagtgt 20

<210> 24
<211> 20
<212> DNA
<213> Homo sapiens

<400> 24
aactgtgcag gtaaggataa 20

<210> 25
<211> 20
<212> DNA
<213> Homo sapiens

<400> 25
tctgtctcag ctgcaagtgt 20

<210> 26
<211> 20
<212> DNA
<213> Homo sapiens

<400> 26
ccctttgaag gtattggaag 20

<210> 27
<211> 20
<212> DNA
<213> Homo sapiens

<400> 27
tctgtctcag ctgcaagtgt 20

<210> 28
<211> 20
<212> DNA
<213> Homo sapiens

<400> 28
acagaaagag gtctgtcctt 20

SEQLIST.txt

```

<210> 29
<211> 20
<212> DNA
<213> Homo sapiens

<400> 29
ctctcgccag gaatcttaca 20

<210> 30
<211> 20
<212> DNA
<213> Homo sapiens

<400> 30
tctcattcat atccttttca 20

<210> 31
<211> 20
<212> DNA
<213> Homo sapiens

<400> 31
gtgcccacag tctctcagga 20

<210> 32
<211> 10
<212> DNA
<213> Homo sapiens

<400> 32
tatccaaggc 10

<210> 33
<211> 21
<212> DNA
<213> Homo sapiens

<400> 33
ggctaaagac ctcaccgagg a 21

<210> 34
<211> 21
<212> DNA
<213> Homo sapiens

<400> 34
aggctggcca gtttctctaa t 21

<210> 35
<211> 21
<212> DNA
<213> Homo sapiens

```

SEQLIST.txt

<400> 35
gcttatccag agcctacagc t 21

<210> 36
<211> 21
<212> DNA
<213> Homo sapiens

<400> 36
gtcattcttg ggaatgtctt c 21

<210> 37
<211> 21
<212> DNA
<213> Homo sapiens

<400> 37
gtgttccta cggctttatc t 21

<210> 38
<211> 21
<212> DNA
<213> Homo sapiens

<400> 38
accacaagcc ataactcatc t 21

<210> 39
<211> 21
<212> DNA
<213> Homo sapiens

<400> 39
tgtgagccac cgcacccggc c 21

<210> 40
<211> 21
<212> DNA
<213> Homo sapiens

<400> 40
gccctttaca gtcatacct a 21

<210> 41
<211> 21
<212> DNA
<213> Homo sapiens

<400> 41
ctggtaaaat gtgaagtaat a 21

<210> 42

SEQLIST.txt

<211> 20
<212> DNA
<213> Homo sapiens

<400> 42
ctgagatccc gagacaggct 20

<210> 43
<211> 21
<212> DNA
<213> Homo sapiens

<400> 43
agaaagaaat cgaagctctc c 21

<210> 44
<211> 23
<212> DNA
<213> Homo sapiens

<400> 44
cattagctgc tgctagatct tcc 23

<210> 45
<211> 23
<212> DNA
<213> Homo sapiens

<400> 45
taaggcacag aacattctgc ctg 23

<210> 46
<211> 24
<212> DNA
<213> Homo sapiens

<400> 46
ttattcaatt gtgactgcag ttgc 24

<210> 47
<211> 21
<212> DNA
<213> Homo sapiens

<400> 47
cacctgctct ttcactgatg g 21

<210> 48
<211> 25
<212> DNA
<213> Homo sapiens

<400> 48

ggtatgatga aacatcactg agttc 25

<210> 49
<211> 25
<212> DNA
<213> Homo sapiens

<400> 49
ctaagtcac tcctgcctc tcac 25

<210> 50
<211> 20
<212> DNA
<213> Homo sapiens

<400> 50
gagcctacag ctccaggaag 20

<210> 51
<211> 20
<212> DNA
<213> Homo sapiens

<400> 51
gagcatgggc ccaaagcacc 20

<210> 52
<211> 23
<212> DNA
<213> Homo sapiens

<400> 52
gaagcttccc tttgtgttct gtc 23

<210> 53
<211> 24
<212> DNA
<213> Homo sapiens

<400> 53
cggcagcatc tatttgttgc catc 24

<210> 54
<211> 19
<212> DNA
<213> Homo sapiens

<400> 54
gcagagggcc acgatcacc 19

<210> 55
<211> 20

SEQLIST.txt

<212> DNA
 <213> Homo sapiens
 <400> 55
 catcccgta ctcctcaggc 20

<210> 56
 <211> 23
 <212> DNA
 <213> Homo sapiens
 <400> 56
 catgacagct ggtgtccacg aag 23

<210> 57
 <211> 26
 <212> DNA
 <213> Homo sapiens
 <400> 57
 caaatcagtc tctctctcca tattcc 26

<210> 58
 <211> 23
 <212> DNA
 <213> Homo sapiens
 <400> 58
 cagtgtgaaa ctgaggagtc tgc 23

<210> 59
 <211> 26
 <212> DNA
 <213> Homo sapiens
 <400> 59
 cgtgtaacag gtatgatgac agagtc 26

<210> 60
 <211> 21
 <212> DNA
 <213> Homo sapiens
 <400> 60
 catttgcctt ctgctgcaac g 21

<210> 61
 <211> 26
 <212> DNA
 <213> Homo sapiens
 <400> 61
 ctttcttcag atgcaatcat tgccac 26

SEQLIST.txt

<210> 62
<211> 22
<212> DNA
<213> Homo sapiens

<400> 62
caacctccca gtgatatgcc ac 22

<210> 63
<211> 23
<212> DNA
<213> Homo sapiens

<400> 63
ctgccttact gagcactgca ctg 23

<210> 64
<211> 25
<212> DNA
<213> Homo sapiens

<400> 64
cagtaacaca atacagtact caggc 25

<210> 65
<211> 24
<212> DNA
<213> Homo sapiens

<400> 65
ctgcactgtg ttactgagca ttgc 24

<210> 66
<211> 23
<212> DNA
<213> Homo sapiens

<400> 66
ctcaggcagt gcaataactca gtg 23

<210> 67
<211> 23
<212> DNA
<213> Homo sapiens

<400> 67
actagctgcc ctgtgttact gag 23

<210> 68
<211> 22
<212> DNA

SEQLIST.txt

<213> Homo sapiens

<400> 68

gtgtagtgct cagtaggaca gc

22

<210> 69

<211> 23

<212> DNA

<213> Homo sapiens

<400> 69

gtacttgacc agagaggga ctc

23

<210> 70

<211> 22

<212> DNA

<213> Homo sapiens

<400> 70

caaagtgcac tgaggaaggt gg

22

<210> 71

<211> 26

<212> DNA

<213> Homo sapiens

<400> 71

gtgatgtaaa tcagagtttg gactgg

26

<210> 72

<211> 26

<212> DNA

<213> Homo sapiens

<400> 72

ctcctattca tatcccatag atctag

26

<210> 73

<211> 21

<212> DNA

<213> Homo sapiens

<400> 73

cagaagtgct gcacagcatg g

21

<210> 74

<211> 23

<212> DNA

<213> Homo sapiens

<400> 74

cactggcggtt tccagaaggc atc

23

SEQLIST.txt

<210> 75
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <400> 75
 cactggaatt aactcaagga ttcc 24

 <210> 76
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <400> 76
 cattttcaat gatgaaccaa attcctg 27

 <210> 77
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 77
 gcagcagga aatgaacaca ctatc 25

 <210> 78
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <400> 78
 ctgcaagtta ataactgcct tgaattg 27

 <210> 79
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <400> 79
 ctgctgtata gtatgattga ggatac 26

 <210> 80
 <211> 23
 <212> DNA
 <213> Homo sapiens

 <400> 80
 caaccttctc aggacaagcc cac 23

 <210> 81
 <211> 24
 <212> DNA
 <213> Homo sapiens

SEQLIST.txt

<400> 81	
gtgaccattt gaaagccagc attc	24
<210> 82	
<211> 25	
<212> DNA	
<213> Homo sapiens	
<400> 82	
gttagaatct gatttgactg ggatg	25
<210> 83	
<211> 21	
<212> DNA	
<213> Homo sapiens	
<400> 83	
cttgggaggc tgaggcagta g	21
<210> 84	
<211> 25	
<212> DNA	
<213> Homo sapiens	
<400> 84	
gcacatactg gaaatgatga gttag	25
<210> 85	
<211> 23	
<212> DNA	
<213> Homo sapiens	
<400> 85	
atgcctgtaa cccagctac ttg	23
<210> 86	
<211> 21	
<212> DNA	
<213> Homo sapiens	
<400> 86	
ctctacctcc caggttcaag c	21
<210> 87	
<211> 25	
<212> DNA	
<213> Homo sapiens	
<400> 87	
ggtaccaacc gttacatggt tctgg	25

SEQLIST.txt

<210> 88
<211> 19
<212> DNA
<213> Homo sapiens

<400> 88
gcacccggcc aactttctg 19

<210> 89
<211> 25
<212> DNA
<213> Homo sapiens

<400> 89
ctctgactgt taggttcact attac 25

<210> 90
<211> 24
<212> DNA
<213> Homo sapiens

<400> 90
ctaaggcaca gagctggtaa aatg 24

<210> 91
<211> 21
<212> DNA
<213> Homo sapiens

<400> 91
gatgatggtg gggatgaatag g 21

<210> 92
<211> 22
<212> DNA
<213> Homo sapiens

<400> 92
agcctcactg tgaagtctag gc 22

<210> 93
<211> 23
<212> DNA
<213> Homo sapiens

<400> 93
ctatcatcca tacttcaaag gac 23

<210> 94
<211> 23
<212> DNA
<213> Homo sapiens

SEQLIST.txt

<400> 94	
cactgccttc tgatttttag ctg	23
<210> 95	
<211> 23	
<212> DNA	
<213> Homo sapiens	
<400> 95	
gaggacaaaa cacgatgtgc tgg	23
<210> 96	
<211> 23	
<212> DNA	
<213> Homo sapiens	
<400> 96	
ctcgctgagg agaagaaagg agc	23
<210> 97	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 97	
ggcacgccct gacctacgc	19
<210> 98	
<211> 27	
<212> DNA	
<213> Homo sapiens	
<400> 98	
ctgtagtggt attgaattgt gggtacc	27
<210> 99	
<211> 22	
<212> DNA	
<213> Homo sapiens	
<400> 99	
cagaagcact ctctcctggc tc	22
<210> 100	
<211> 23	
<212> DNA	
<213> Homo sapiens	
<400> 100	
gccaatgctg gaaaggaaac agc	23
<210> 101	

SEQLIST.txt

<211> 18
<212> DNA
<213> Homo sapiens

<400> 101
tgccagctcc tcccgctc 18

<210> 102
<211> 23
<212> DNA
<213> Homo sapiens

<400> 102
catccctcca tcttctccat cac 23

<210> 103
<211> 18
<212> DNA
<213> Homo sapiens

<400> 103
cacgctgctg gagcgggc 18

<210> 104
<211> 23
<212> DNA
<213> Homo sapiens

<400> 104
gagtcagttg cctaggagct tgc 23

<210> 105
<211> 21
<212> DNA
<213> Homo sapiens

<400> 105
gtgcaggaag cctccaggat g 21

<210> 106
<211> 24
<212> DNA
<213> Homo sapiens

<400> 106
cctatccctg aaccattgca agag 24

<210> 107
<211> 20
<212> DNA
<213> Homo sapiens

<400> 107

cagcagctcc gggctgggttc 20

<210> 108
<211> 22
<212> DNA
<213> Homo sapiens

<400> 108
ctgggccagt aagatctgca tg 22

<210> 109
<211> 21
<212> DNA
<213> Homo sapiens

<400> 109
gaaacagggc tccggaccaa g 21

<210> 110
<211> 22
<212> DNA
<213> Homo sapiens

<400> 110
ccagacagtg tggccttgac tc 22

<210> 111
<211> 23
<212> DNA
<213> Homo sapiens

<400> 111
ggctgcagct gttgctactc aac 23

<210> 112
<211> 20
<212> DNA
<213> Homo sapiens

<400> 112
ctgcagcgat ggagcaaggc 20

<210> 113
<211> 20
<212> DNA
<213> Homo sapiens

<400> 113
acatcgcggg tcctcgtgag 20

<210> 114
<211> 21

SEQLIST.txt

<212> DNA
 <213> Homo sapiens

<400> 114
 cagagaggct gagtcccatt g 21

<210> 115
 <211> 22
 <212> DNA
 <213> Homo sapiens

<400> 115
 gcactggctc ccatttcctg ag 22

<210> 116
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 116
 ccagtttctct ggatccctca c 21

<210> 117
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 117
 gaggaagtca gttgagccca gaac 24

<210> 118
 <211> 27
 <212> DNA
 <213> Homo sapiens

<400> 118
 cagtttctaa atgttcttag ttttcac 27

<210> 119
 <211> 28
 <212> DNA
 <213> Homo sapiens

<400> 119
 gatggaaaga aaattgggac atgatgac 28

<210> 120
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 120
 gttcactaca actggagcta agag 24

SEQLIST.txt

```

<210> 121
<211> 23
<212> DNA
<213> Homo sapiens

<400> 121
ctatgtggga gctgagaggt agg                23

<210> 122
<211> 25
<212> DNA
<213> Homo sapiens

<400> 122
catgaggatt tcagcttctg catac              25

<210> 123
<211> 22
<212> DNA
<213> Homo sapiens

<400> 123
gagctatgat tgcaccactg cc                  22

<210> 124
<211> 19
<212> DNA
<213> Homo sapiens

<400> 124
cgacctgacc ccactgggtg                    19

<210> 125
<211> 20
<212> DNA
<213> Homo sapiens

<400> 125
gactgccccca caccgtgaag                    20

<210> 126
<211> 25
<212> DNA
<213> Homo sapiens

<400> 126
gtttggtagt tctggtgcat atggc              25

<210> 127
<211> 20
<212> DNA

```

SEQLIST.txt

<213> Homo sapiens

<400> 127

gcatggaagg gaatctgacc

20